



# MAS BULLETIN

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### BSAP Fender System

**Background.** Balmoral Marine of Aberdeen, UK, has recently developed a new fender system which has been designed to suit the requirements of all types of small craft.

**Description.** The Balmoral BSAP Fender System, when designed and fitted to a particular craft, acts as a fender to protect the boat against impact while at the same time providing added buoyancy. It allows for a softer ride at high speeds, as it dampens the shock forces transmitted to the hull by wave impact. The Balmoral BSAP Fender System will increase the operational parameters of rigid inflatable boats (RIBs) and other types of rigid vessels, for which the system can be designed, by significantly reducing the problems associated with normal impact or abrasive situations. Informal discussions with the manufacturer indicate that the system could be designed for use on large armored vehicles such as the Bradley Fighting Vehicle.

Extensive operational evaluation has been carried out, including tests with angled impact runs into a seawall with an 18-ft craft at speeds up to 30 knots. No significant damage was sustained by the BSAP Fender System.

**For further information** contact Balmoral Group Ltd., Hareness Road, Altens Industrial Estate, Aberdeen AB1 4LE, UK. Telephone (224) 874052.

**ONREUR point of contact** is CDR R. H. Taylor, USN, Undersea Systems Officer.

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